

**§ 199.190 Operational readiness, maintenance, and inspection of lifesaving equipment.**

(a) *Operational readiness.* Before the vessel leaves port and at all times during the voyage, each lifesaving appliance must be in working order and ready for immediate use.

(b) *Maintenance.* (1) The manufacturer's instructions for onboard maintenance of lifesaving appliances must be on board the vessel. The following must be provided for each appliance.

(i) Checklists for use when carrying out the inspections required under paragraph (e) of this section.

(ii) Maintenance and repair instructions.

(iii) A schedule of periodic maintenance.

(iv) A diagram of lubrication points with the recommended lubricants.

(v) A list of replaceable parts.

(vi) A list of sources of spare parts.

(vii) A log for records of inspections and maintenance.

(2) In lieu of compliance with paragraph (b)(1) of this section, the OCM may accept a shipboard planned maintenance program that includes the items listed in that paragraph.

(c) *Spare parts and repair equipment.* Spare parts and repair equipment must be provided for each lifesaving appliance and component that is subject to excessive wear or consumption and that needs to be replaced regularly.

(d) *Weekly inspections and tests.* (1) Each survival craft, rescue boat, and launching appliance must be visually inspected to ensure its readiness for use.

(2) Each lifeboat engine and rescue boat engine must be run ahead and astern for a total of not less than 3 minutes unless the ambient temperature is below the minimum temperature required for starting the engine. During this time, demonstrations should indicate that the gear box and gear box train are engaging satisfactorily. If the special characteristics of an outboard motor fitted to a rescue boat would not allow the outboard motor to be run other than with its propeller submerged for a period of 3 minutes, the outboard motor should be run for such period as prescribed in the manufacturer's handbook.

(3) The general alarm system must be tested.

(e) *Monthly inspections.* (1) Each lifesaving appliance, including lifeboat equipment, must be inspected monthly using the checklists required under paragraph (b)(1)(i) of this section to make sure the appliance and the equipment are complete and in good working order. A report of the inspection, including a statement as to the condition of the equipment, must be recorded in the vessel's official logbook.

(2) Each EPIRB and each SART, other than an EPIRB or SART in an inflatable liferaft, must be tested monthly. The EPIRB must be tested using the integrated test circuit and output indicator to determine that it is operative.

(f) *Annual inspections.* Annual inspections must include the following:

(1) Each survival craft, except for inflatable craft, must be stripped, cleaned, and thoroughly inspected and repaired, as needed, at least once each year and each fuel tank must be emptied, cleaned, and refilled with fresh fuel.

(2) Each davit, winch, fall, and other launching appliance must be thoroughly inspected and repaired, as needed, once each year.

(3) Each item of survival equipment with an expiration date must be replaced during the annual inspection if the expiration date has passed.

(4) Each battery clearly marked with an expiration date and used in an item of survival equipment must be replaced during the annual inspection if the expiration date has passed.

(5) Except for a storage battery used in a lifeboat or rescue boat, each battery without an expiration date that is used in an item of survival equipment must be replaced during the annual inspection.

(g) *Servicing of inflatable lifesaving appliances, inflated rescue boats, and marine evacuation systems.* (1) Each inflatable lifesaving appliance and marine evacuation system must be serviced—

(i) Within 12 months of its initial packing; and

(ii) Within 12 months of each subsequent servicing, except when servicing

is delayed until the next scheduled inspection of the vessel, provided the delay does not exceed 5 months.

(2) Each inflatable lifejacket must be serviced in accordance with servicing procedures meeting the requirements of part 160, subpart 160.176 of this chapter. Each hybrid inflatable lifejacket must be serviced in accordance with the owners manual and meet the requirements of part 160, subpart 160.077 of this chapter.

(3) Each inflatable liferaft and inflatable buoyant apparatus must be serviced—

(i) In accordance with servicing procedures meeting the requirements of part 160, subpart 160.151 of this chapter; and

(ii) Whenever the container of the raft is damaged, or the straps or seal broken.

(4) Each inflated rescue boat must be repaired and maintained in accordance with the manufacturer's instructions. All repairs to inflated chambers must be made at a servicing facility approved by the Commandant, except for emergency repairs carried out on board the vessel.

(h) *Periodic servicing of hydrostatic release units.* Each hydrostatic release unit, other than a disposable hydrostatic release unit, must be serviced in accordance with repair and testing procedures meeting the requirements of part 160, subpart 160.062 of this chapter—

(1) Within 12 months of its manufacture; and

(2) Within 12 months of each subsequent servicing, except when servicing is delayed until the next scheduled inspection of the vessel, provided the delay does not exceed 5 months.

(i) *Periodic servicing of launching appliances and release gear.* (1) Launching appliances must be serviced at the intervals recommended in the manufacturer's instructions or as set out in the shipboard planned maintenance program.

(2) Launching appliances must be thoroughly examined at intervals not exceeding 5 years and, upon completion of the examination, the launching appliance must be subjected to a dynamic test of the winch brake.

(3) Lifeboat and rescue boat release gear must be serviced at the intervals recommended in the manufacturer's instructions, or as set out in the shipboard-planned-maintenance program.

(4) Lifeboat and rescue boat release gear must be subjected to a thorough examination by properly trained personnel familiar with the system at each inspection for certification.

(5) Lifeboat and rescue boat release gear must be operationally tested under a load of 1.1 times the total mass of the lifeboat when loaded with its full complement of persons and equipment whenever overhauled or at least once every 5 years.

(j) *Maintenance of falls.* (1) Each fall used in a launching appliance must—

(i) Be turned end-for-end at intervals of not more than 30 months; and

(ii) Be renewed when necessary due to deterioration or at intervals of not more than 5 years, whichever is earlier.

(2) As an alternative to paragraph (j)(1) of this section, each fall may—

(i) Be inspected annually; and

(ii) Be renewed whenever necessary due to deterioration or at intervals of not more than 4 years, whichever is earlier.

(k) *Rotational deployment of marine evacuation systems.* In addition, to or in conjunction with, the servicing intervals of marine evacuation systems required by paragraph (g)(1) of this section, each marine evacuation system must be deployed from the vessel on a rotational basis. Each marine evacuation system must be deployed at least once every 6 years.

[CGD 84-069, 61 FR 25313, May 20, 1996; 61 FR 40281, Aug. 1, 1996, as amended by CGD 85-205, 62 FR 25557, May 9, 1997; CGD 84-069, 63 FR 52819, Oct. 1, 1998]

EFFECTIVE DATE NOTE: By CGD 84-069, 63 FR 52819, Oct. 1, 1998, § 199.190 was amended by revising paragraphs (d)(2) and (g)(4), effective Nov. 2, 1998. For the convenience of the user, the superseded text is set forth as follows:

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\* \* \* \* \*

(d) \* \* \*

(2) Each lifeboat engine and rescue boat engine must be run ahead and astern for not

less than 3 minutes, unless the ambient temperature is below the minimum temperature required for starting the engine. During this time, demonstrations should indicate that the gear box and gear box train are engaging satisfactorily. If the special characteristics of an outboard motor fitted to a rescue boat do not allow the outboard motor to be run for a period of 3 minutes other than with its propeller submerged, the outboard motor should be run for such period as prescribed in the manufacturer's handbook.

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(g) \* \* \*

(4) Each inflated rescue boat must be repaired and maintained in accordance with the manufacturer's instructions. All repairs must be made at a servicing facility approved by the Commandant (G-MSE), except for emergency repairs carried out on board the vessel.

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### Subpart C—Additional Requirements for Passenger Vessels

#### § 199.200 General.

Passenger vessels and special purpose vessels described in § 199.10(f), must meet the requirements in this subpart in addition to the requirements in subparts A and B of this part.

#### § 199.201 Survival craft.

(a) Each survival craft must be approved and equipped as follows:

(1) Each lifeboat must be approved under approval series 160.135 and equipped as specified in table 199.175 of this part.

(2) Each inflatable liferaft must be approved under approval series 160.151 and equipped with—

(i) A SOLAS A pack; or

(ii) For a passenger vessel on a short international voyage, a SOLAS B pack.

(3) Each rigid liferaft must be approved under approval series 160.118 and equipped as specified in table 199.175 of this part.

(4) Each marine evacuation system must be approved under approval series 160.175.

(5) Each liferaft must have a capacity of six persons or more.

(b) Each passenger vessel must carry the following:

(1) A combination of lifeboats and liferafts that have an aggregate capacity sufficient to accommodate the total number of persons on board, provided that—

(i) On each side of the vessel, lifeboats with an aggregate capacity sufficient to accommodate at least 37.5 percent of the total number of persons on board are carried; and

(ii) Any liferafts that are provided in combination with the lifeboats are served by launching appliances or marine evacuation systems equally distributed on each side of the vessel.

(2) In addition to the survival craft required in paragraph (b)(1) of this section, additional liferafts must be provided that have a aggregate capacity sufficient to accommodate at least 25 percent of the total number of persons on board. The additional liferafts—

(i) Must be served by at least one launching appliance or marine evacuation system on each side of the vessel. These launching appliances or marine evacuation systems must be those described under paragraph (b)(1)(ii) of this section or be equivalent approved appliances capable of being used on both sides of the vessel; and

(ii) Are not required to be stowed in accordance with § 199.130(c)(4).

(c) Each passenger vessel engaged on a short international voyage that also complies with the standards of subdivision requirements for vessels on short international voyages as described in subchapter S of this chapter may, as an alternative to the lifeboat requirements in paragraph (b)(1)(i) of this section, carry lifeboats with an aggregate capacity sufficient to accommodate at least 30 percent of the total number of persons on board. These lifeboats must be equally distributed, as far as practicable, on each side of the vessel.

(d) Each passenger vessel that is less than 500 tons gross tonnage and is certificated to permit less than 200 persons on board is not required to meet the requirements of paragraphs (b) or (c) of this section if it meets the following:

(1) On each side of the vessel—

(i) Liferafts are carried with an aggregate capacity sufficient to accommodate the total number of persons on